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JAN 19 2006

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26379 7590 10/20/2005

 DLA PIPER RUDNICK GRAY CARY US, LLP
2000 UNIVERSITY AVENUE
E. PALO ALTO, CA 94303-2248

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSU FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Cathy Pittman	(Depositor's name)
<i>Cathy Pittman</i>	(Signature)
January 19, 2006	(Date)

01/23/2006 CNGUYEN3 00000001 071896 10618142

 01 FC:1501 1400.00 DA
02 FC:1504 300.00 DA
03 FC:8001 30.00 DA

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/618,142	07/10/2003	Tae-Hwan Kim	1190860-991190	4446

TITLE OF INVENTION: VERTICALLY ALIGNED LIQUID CRYSTAL DISPLAY DEVICE HAVING AN OPTIMIZED VIEWING ANGLE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	01/20/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
CHUNG, DAVID Y	2871	349-119000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

 1 DLA PIPER RUDNICK
GRAY CARY US LLP
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

SAMSUNG ELECTRONICS CO., LLC

Gyeonggi-do, Korea

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 07-1896 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

Jon Y. Ikegami

Date January 19, 2006

Typed or printed name

Jon Y. Ikegami

Registration No. 51,115

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PTO/SB/17 (12-04v2)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL for FY 2005		Complete If Known	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/618,142
		Filing Date	July 10, 2003 RECEIVED
		First Named Inventor	Tae-Hwan Kim CENTRAL FAX CENTER
		Examiner Name	David Y. Chung JAN 19 2006
		Art Unit	2871
TOTAL AMOUNT OF PAYMENT (\$)		1,730.00	
		Attorney Docket No.	347269-991190

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 07-1896 Deposit Account Name: DLA Piper Rudnick Gray Cary US LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20		
Indep. Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3		


3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____ /50= _____ (round up to a whole number) x _____ = _____				

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)
 Other (e.g., late filing surcharge): Issue Fee (1400); Publication Fee (300); Patent copies (30) 1,730.00

SUBMITTED BY Signature 		Registration No. 51,115 (Attorney/Agent)	Telephone 650.833.2104
Name (Print/Type) David Y. Ikegami		Date January 19, 2006	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS OFFICE.

**DLA PIPER RUDNICK
GRAY CARY****RECEIVED
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2000 University Avenue
East Palo Alto, California 94303-2248
O 650.833.2104
F 650.833.2001
W www.dlapiper.com**FAX TRANSMISSION COVER SHEET**

January 19, 2006

To:Commissioner for Patents & Trademarks
Washington, D.C. 20231Telephone:Fax Number:

(571) 273-8300

MAIL STOP ISSUE FEE

From: Jon Y. Ikegami
Reg. No. 51,115
650-833-2104

Client-Matter Number: 347269-991190

Re: U.S. Patent Application Serial No. 10/618,142 for:
Title: A VERTICALLY ALIGNED LIQUID CRYSTAL DISPLAY DEVICE HAVING AN OPTIMIZING
VIEWING ANGLE
Examiner: David Y. Chung Art Unit: 2871Pages: - ____ - (including this form) Originals: ☐ will be mailed ☒ will not be mailedIf there is a problem with this transmission, please call (area code) (650) 833-1548
Fax Operator/Ext.**Message:**Transmitted via Fax on: January 19, 2006

Attorney Docket No. 1190860-991190

U.S. Patent Application S/N: 10/618,142

Filing Date: July 10, 2003

Title: VERTICALLY ALIGNED LIQUID CRYSTAL DISPLAY DEVICE HAVING AN OPTIMIZING
VIEWING ANGLE

Attached are the following documents:

1. Transmittal Form (1 pg);
2. Part B - PTOL-85 (1 pg.);
3. Fee Transmittal (1 pg); and
4. Certificate of Facsimile Transmission (1 pg.).

Please contact the attorney for applicant, Jon Ikegami, at 650-833-2104 if there are any questions regarding this matter.

Certificate of Transmission by FacsimileI hereby certify that this correspondence is being facsimile transmitted to Fax No. (703)
746-4000 addressed to: MAIL STOP ISSUE FEE, Commissioner for Patents &
Trademarks, P.O. Box 1430, Alexandria, VA, 22313-1450 on January, 19 2006.
Cathy Pittman**CONFIDENTIALITY NOTICE**

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EM7199191.1

Attorney Docket No. 347269-991190

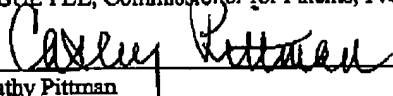
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Cathy Pittman

CERTIFICATE OF FACSIMILE TRANSMISSION

MAIL STOP ISSUE FEE
COMMISSIONER FOR PATENTS
P.O. BOX 1450
Alexandria, VA 22313-1450

Sir:

Transmitted by facsimile herewith for filing are the following documents for:

U.S. Utility Patent Application S/N: 10/618,142
FILED: July 10, 2003
INVENTOR(s): Tae-Hwan Kim et al.

Enclosed are:

1. Fax cover sheet to the U.S. Patent and Trademark Office (1 pg);
2. Transmittal Form (1 pg);
3. Part B PTOL-85 (1 pg);
4. Fee Transmittal (1 pg); and
5. Certificate of Facsimile Transmission (1 pg)